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## SUMMARY

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### A Study on Promotion of Public-Private Cooperation to Develop High Definition Map for Autonomous Driving

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**Key words:** Autonomous Driving, HD Map, Public Private Cooperation

High definition map (HD map) for autonomous vehicles is a three-dimensional map in centimeter accuracy, which is important for safety of autonomous driving. The government of South Korea (Ministry of Land, Infrastructure and Transport, MOLIT) and Fourteen private companies related to the autonomous technology, signed on an agreement of private-public cooperation in April 2019 in order to share costs of creating HD Map for autonomous vehicles among the participants of the agreement and to expedite creation of HD Map.

The objective of this study is to design a pilot project for joint HD mapping and renewal as well as to identify application potentials of the acquired data in diverse public sectors other than autonomous driving. According to the interview with the private companies, a new set of regulations specifically designed for HD maps and autonomous driving, because the current regulations do not allow easy distribution of HD map over network. We also suggest that a proper investment plan needs to be developed, which would be a key for successful public private cooperation and development of autonomous driving technology and mobility industry related to it.